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SUMMARY OF VITAL STATISTICS

DEPARTMENT OF HEALTH, CITY OF NEW YORK

BUREAU OF VITAL RECORDS AND STATISTICS—STATISTICAL DIVISION

Population, Births, Marriages, Deaths and Infant Mortality, 1898-1942

Year	Estimated Population July 1st Each Year	Births* Total Reported	Births* Rate Live 1,000	Marriages Total Reported	Marriages Rate per 1,000	Deaths Total Reported	Deaths Rate per 1,000	Fetal Deaths Total Reported	Fetal Deaths Ratio to 1,000 Live Births	Infant Mortality Deaths Under One Year	Infant Mortality Rate per 1,000 Live Births
1898	3,272,000	119,000	36.4	28,885	8.8	66,294	20.3	5,638	47.4	16,770	140.9
1899	3,357,000	116,000	34.6	30,474	9.1	65,343	19.5	5,463	47.1	15,381	132.6
1900	3,446,000	123,000	35.7	32,247	9.4	70,872	20.6	5,815	47.3	16,640	135.3
1901	3,554,000	122,000	34.3	33,447	9.4	70,720	19.9	5,750	47.1	15,467	126.8
1902	3,666,000	127,000	34.6	36,207	9.9	68,085	18.6	6,011	47.3	15,526	122.3
1903	3,781,000	129,000	34.1	38,174	10.1	67,864	17.9	6,078	47.1	14,413	111.7
1904	3,901,000	133,000	34.1	39,436	10.1	78,060	20.0	6,288	47.3	16,125	121.2
1905	4,026,000	135,000	33.5	42,675	10.6	73,714	18.3	6,352	47.1	16,522	122.4
1906	4,167,000	141,000	33.8	48,355	11.6	76,203	18.3	6,646	47.1	17,188	121.9
1907	4,314,000	149,000	34.5	51,097	11.8	79,205	18.4	7,351	49.3	17,437	117.0
1908	4,469,000	146,000	32.7	37,449	8.4	73,072	16.3	7,191	49.3	16,231	111.2
1909	4,632,000	142,000	30.7	41,513	9.0	74,105	16.0	6,697	47.2	15,976	112.5
1910	4,785,000	143,000	29.9	46,417	9.7	76,742	16.0	6,751	47.2	16,215	113.4
1911	4,873,000	141,000	28.9	48,765	10.0	75,423	15.5	6,673	47.3	15,053	106.8
1912	4,961,000	140,000	28.2	51,703	10.4	73,008	14.7	6,619	47.3	14,289	102.1
1913	5,049,000	140,000	27.7	51,268	10.2	73,902	14.6	6,629	47.4	13,780	98.4
1914	5,137,000	140,647	27.4	53,051	10.3	74,803	14.6	6,617	47.0	13,312	94.6
1915	5,225,000	141,256	27.0	50,997	9.8	76,193	14.6	6,413	45.4	13,866	98.2
1916	5,312,000	137,664	25.9	54,782	10.3	77,801	14.6	6,253	45.4	12,818	93.1
1917	5,400,000	141,564	26.2	59,210	11.0	78,575	14.6	6,117	43.2	12,568	88.8
1918	5,488,000	138,046	25.2	56,733	10.3	98,119	17.9	6,793	49.2	12,657	91.7
1919	5,576,000	130,377	23.4	60,256	10.8	74,433	13.3	5,984	45.9	10,639	81.6
1920	5,684,000	132,856	23.4	64,422	11.3	73,249	12.9	6,234	46.9	11,340	85.4
1921	5,812,000	134,241	23.1	60,846	10.5	64,257	11.1	6,297	46.9	9,548	71.1
1922	5,939,000	129,684	21.8	58,192	9.8	69,690	11.7	6,125	47.2	9,666	74.5
1923	6,067,000	129,160	21.3	66,430	10.9	69,452	11.4	6,023	46.6	8,578	66.4
1924	6,195,000	130,436	21.1	62,254	10.0	71,252	11.5	6,448	49.4	8,820	67.6
1925	6,323,000	128,790	20.4	64,826	10.3	71,864	11.4	6,134	47.6	8,315	64.6
1926	6,451,000	125,515	19.5	68,417	10.6	76,082	11.8	6,054	48.2	8,509	67.8
1927	6,579,000	128,889	19.6	66,431	10.1	70,430	10.7	5,895	45.7	7,210	55.9
1928	6,707,000	126,332	18.8	62,424	9.3	78,091	11.6	6,121	48.5	8,280	65.5
1929	6,835,000	124,404	18.2	65,780	9.6	77,482	11.3	5,726	46.0	7,281	58.5
1930	6,944,000	122,811	17.7	63,337	9.1	74,888	10.8	5,700	46.4	7,030	57.2
1931	6,995,000	115,621	16.5	61,574	8.8	77,418	11.1	5,579	48.3	6,427	55.6
1932	7,047,000	109,878	15.6	58,957	8.4	74,319	10.5	5,396	49.1	5,594	50.9
1933	7,101,000	103,500	14.6	60,116	8.5	75,153	10.6	5,347	51.7	5,508	53.2
1934	7,153,000	101,239	14.2	67,347	9.4	75,857	10.6	5,070	50.1	5,287	52.2
1935	7,206,000	100,657	14.0	68,372	9.5	75,057	10.4	4,902	48.7	4,790	47.6
1936	7,258,000	98,507	13.6	72,234	10.0	77,638	10.7	4,992	50.7	4,490	45.6
1937	7,311,000	101,988	13.9	69,417	9.5	77,465	10.6	4,847	47.5	4,457	43.7
1938	7,363,000	102,045	13.9	63,493	8.6	73,775	10.0	4,995	48.9	3,910	38.3
1939	7,415,000	102,261	13.8	62,288	8.4	75,439	10.2	6,831	66.8	3,793	37.1
1940	7,468,000	107,287	14.4	78,487	10.5	76,008	10.2	7,986	74.4	3,749	34.9
1941	7,521,000	114,367	15.2	83,012	11.0	74,553	9.9	8,974	78.5	3,519	30.8
1942	7,573,000	131,989	17.4	81,454	10.8	75,674	10.0	10,013	75.9	3,805	28.8

* 1898-1913 birth figures are estimated, as the number actually reported was undoubtedly incomplete.

Births, Deaths, Maternal Deaths and Fetal Deaths as Reported*—1942

Borough	Estimated Population 1942	Births Reported	Births per 1,000	Deaths Reported	Deaths Per 1,000	Maternal Deaths Reported	Maternal Deaths Per 10,000 Births†	Fetal Deaths Reported	Fetal Deaths Per 1,000 Live Births
Manhattan	1,895,000	40,560	21.4	26,294	13.9	112	25	3,552	87.6
The Bronx	1,424,000	18,963	13.3	12,375	8.7	44	21	1,718	90.6
Brooklyn	2,729,000	52914	19.4	24,872	9.1	114	20	3,333	63.0
Queens	1,347,000	16,278	12.1	9,486	7.0	30	17	1,263	77.6
Richmond	178,000	3,274	18.4	2,647	14.9	6	18	147	44.9
City of New York	7,573,000	131,989	17.4	75,674	10.0	306	22	10,013	75.9

* Tabulation of births, deaths and still births, by borough of residence, on next page.
† Live births and fetal deaths.

Births, Fetal Deaths, and Deaths, by Borough of Residence—1942

	N.Y.City	Manh'tan	Bronx	B'klyn	Queens	Rich'd
Live Births	131,989	26,616	25,065	50,705	26,286	3,317
Rate per 1,000 Population	17.4	14.0	17.6	18.6	19.5	18.6
Fetal Deaths†	10,013	2,695	2,038	3,346	1,784	150
Rate per 1,000 Total Births	70.5	91.9	75.2	61.9	63.6	43.3
Deaths Under One Year	3,805	954	671	1,334	751	95
Rate per 1,000 Live Births	28.8	35.8	26.8	26.3	28.6	28.6
Deaths Under One Month	2,772	662	514	958	576	62
Rate per 1,000 Live Births	21.0	24.9	20.5	18.9	21.9	18.7
Deaths of Non-Residents	2,589	1,424	525	278	262	100
Total Deaths	75,674	23,235	12,592	25,678	12,232	1,937
Death Rate per 1,000 Population	10.0	12.3	8.8	9.4	9.1	10.9
1. Typhoid and Paratyphoid Fevers	5	2	....	2	1	....
3. Scarlet Fever	8	2	....	2	2	2
4. Whooping Cough	58	21	8	24	4	1
5. Diphtheria	7	1	....	4	....	2
6. Pulmonary Tuberculosis	3,228	1,419	455	900	382	72
7. Other Tuberculosis	274	131	33	68	38	4
8. Malaria	5	2	....	3	....	....
9. Syphilis	873	421	80	248	102	22
10. Influenza	68	18	8	31	9	2
12. Measles	1	....	....	....	1	....
13. Typhus Fever	2	1	....	1	....	....
14. Other Infectious Diseases	420	152	72	136	52	8
(a) Meningococus Meningitis	84	35	4	33	8	4
(b) Acute Poliomyelitis	8	4	3	1	....	....
(c) Epidemic Encephalitis	58	15	12	23	7	1
15. Cancer	12,993	3,820	2,595	4,172	2,119	287
16. Non-malignant Tumors	359	105	68	122	56	8
17. Chronic Rheumatism, Gout	55	16	12	18	6	3
18. Diabetes	3,088	758	560	1,251	458	61
19. Alcoholism	301	168	11	78	35	9
20. Avitaminoses, Other General Diseases and Chronic Poisonings	991	302	172	328	159	30
21. Simple Meningitis and Spinal Cord Diseases	246	86	46	80	33	1
22. Intracranial Lesions of Vascular Origin	3,531	1,029	538	1,189	654	121
23. Other Diseases of the Nervous System and Sense Organs	403	134	58	147	52	12
24. Diseases of the Heart	27,705	7,916	4,590	9,965	4,552	682
25. Other Diseases of the Circulatory System	1,386	424	177	502	225	58
(a) Arterio-sclerosis	982	287	120	405	124	46
26. Bronchitis	140	44	23	49	21	3
27. The Pneumonias	2,957	896	447	1,065	442	107
(a) Bronchopneumonia	1,400	365	205	541	239	50
(b) Lobar Pneumonia	1,532	520	235	519	202	56
28. Other Respiratory Diseases (Except Tuberculosis)	317	121	51	70	62	13
29. Diarrhea and Enteritis	258	79	42	88	41	8
(a) Diarrhea and Enteritis Under 2 Years	166	55	26	56	23	6
30. Appendicitis	439	125	81	140	84	9
31. Diseases of the Liver and Biliary Passages	1,594	539	209	534	272	40
32. Other Digestive Diseases	1,468	460	228	476	256	48
33. Nephritis, All Forms	3,042	890	498	1,025	544	85
34. Other Diseases of the Urinary and Genital Systems	902	273	186	287	138	18
35. Puerperal Infection*	128	46	19	47	14	2
36. Other Puerperal Causes	178	41	35	63	35	4
37. Diseases of the Skin and Bones	124	39	28	40	12	5
38. Diseases of Early Infancy	3,009	713	559	1,058	613	66
39. Old Age	29	6	6	6	3	8
40. Suicide	1,013	387	158	255	202	11
41. Homicide	267	149	40	59	17	2
42. Motor Vehicle Accidents	825	303	135	229	131	27
(a) Automobile Accidents	823	302	135	228	131	27
43. Other Accidents	2,953	1,190	364	907	398	94
(a) Sunstroke	3	1	....	1	1	....
44. Causes Not Known or Ill-defined	24	6	....	9	7	2

Numbers at left are those of the Abridged International List, 1938 revision.
* Includes causes 140 and 147 of Detailed International List.
† Stillbirths and reported abortions.

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Population in 1940 and Deaths in 1942, City of New York

Age (In years)	Population, Federal Census, April 1, 1940 — All Races by Sex — Persons	Percent of Total	Males	Females	By Color — White	Negro	Other Races	Deaths in 1942 By Age and Color — Total	White	Negro	Other Races
All ages	7,454,995	100.0	3,676,293	3,778,702	6,977,501	458,444	19,050	75,674	69,986	5,446	242
Under 5	433,894	5.8	221,415	212,479	403,239	29,691	964	4,387	3,841	539	7
5-9	470,556	6.3	238,798	231,758	436,484	33,134	938	350	297	53	....
10-14	561,108	7.5	283,453	277,655	524,420	35,848	840	326	267	58	1
15-19	606,942	8.1	300,717	306,225	571,412	34,678	852	625	512	109	4
20-24	649,153	8.7	304,862	344,291	607,184	41,099	870	939	692	241	6
25-29	697,153	9.4	322,558	374,595	644,590	50,978	1,585	1,210	929	276	5
30-34	691,027	9.3	331,782	359,245	638,687	51,180	2,160	1,698	1,321	370	7
35-39	669,421	9.0	330,950	338,471	614,219	52,186	3,016	2,419	1,969	430	20
40-44	628,714	8.4	317,471	311,243	584,118	41,789	2,807	3,370	2,847	499	24
45-49	550,743	7.4	282,769	267,974	518,427	30,381	1,935	5,046	4,478	539	29
50-54	467,020	6.3	243,321	223,699	444,170	21,468	1,382	6,682	6,087	563	32
55-59	346,871	4.7	178,162	168,709	331,865	14,251	755	7,596	7,109	453	34
60-64	267,974	3.6	132,668	135,306	258,161	9,285	528	8,844	8,390	423	31
65-69	190,439	2.6	89,275	101,164	183,669	6,521	249	9,550	9,184	346	20
70-74	120,675	1.6	54,474	66,201	117,370	3,197	108	8,699	8,454	234	11
75-79	63,479	0.9	27,623	35,856	61,805	1,674	*	6,805	6,646	153	6
80-84	28,458	0.4	11,763	16,695	27,769	689	*	4,422	4,334	84	4
85-89	8,753	0.1	3,330	5,423	8,438	315	*	1,923	1,875	47	1
90-94	2,093	†	716	1,377	1,997	96	*	620	600	20	....
95-99	445	†	159	286	408	37	*	136	132	4	....
100 & over	77	†	27	50	69	8	*	27	22	5	....

* Included with Negro figures at ages 75 and over, are 61 of Other Races.
† Less than 0.05 percent.

Cases of Reportable Infectious Diseases—City of New York

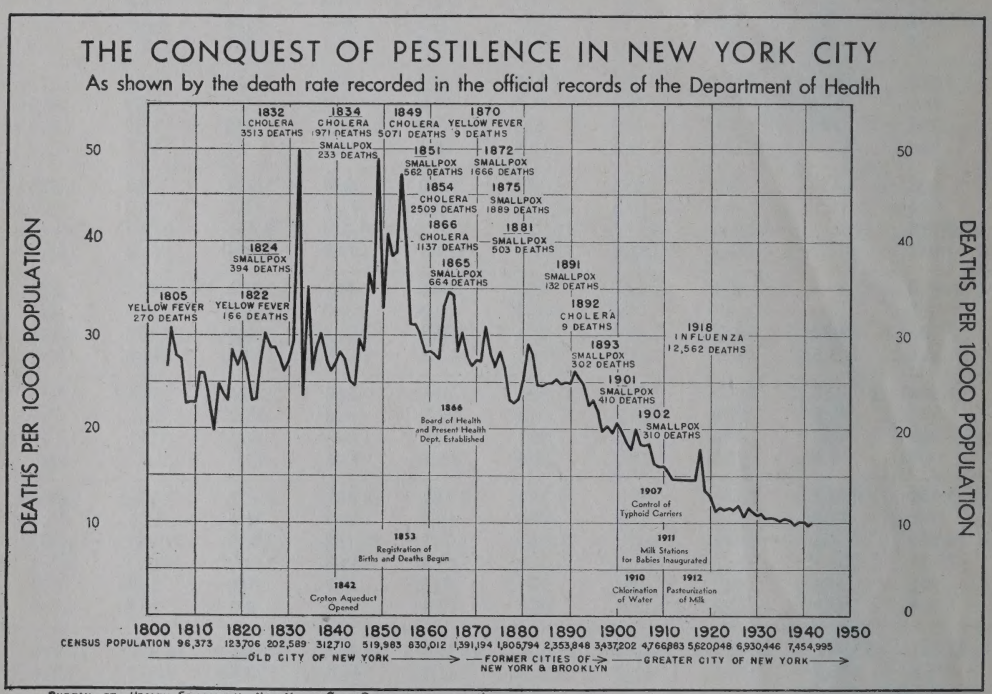
Year	Pulmonary Tuberculosis	Diphtheria	Measles	Scarlet Fever	Chickenpox	Typhoid Fevers	Whooping Cough	Epidemic Meningitis	Poliomyelitis	Syphilis	Gonorrhea	Influenza	Pneumonia	Epidemic Encephalitis
1900	11,997	12,913	19,298	6,683	1,226	2,658	174	7						
1901	13,703	12,329	11,990	16,692	2,437	2,748	113	13						
1902	12,914	15,319	20,251	11,894	3,269	3,871	313	10						
1903	15,214	18,317	13,689	10,887	4,181	3,671	1,066	20						
1904	18,723	18,158	32,861	13,495	4,263	3,412	1,016	482						
1905	20,831	13,686	19,026	8,071	5,473	4,326	2,637	2,755						
1906	20,085	14,757	38,653	7,881	4,667	3,467	2,177	1,032						
1907	19,725	15,276	16,637	15,788	4,308	4,426	1,920	828						
1908	23,325	16,431	38,276	24,426	5,928	3,058	1,182	380						
1909	25,667	15,097	31,950	12,475	6,765	3,499	2,752	346						
1910	32,065	16,940	35,374	18,924	5,534	3,582	2,018	242						
1911	24,513	13,485	25,540	15,794	6,758	3,450	3,210	266	358					
1912	22,752	13,533	39,018	12,716	7,649	3,076	2,132	250	504					
1913	22,674	14,845	29,350	10,739	6,897	2,643	3,529	232	310	10,623	7,440			
1914	21,604	17,129	25,793	11,105	9,632	2,260	3,798	318	129	21,128	9,526			
1915	22,141	15,279	38,186	9,879	8,721	2,455	6,771	174	95	17,335	9,709			
1916	19,297	13,521	21,603	5,814	9,617	1,617	7,460	263	9,023	20,128	6,341			
1917	17,494	12,624	27,519	6,260	8,548	1,442	5,597	322	139	19,833	8,312			
1918	14,439	11,454	28,675	4,460	4,196	1,238	5,558	477	134	17,320	6,538			
1919	14,570	14,014	8,194	4,594	5,326	854	1,658	317	42	19,241	5,677	25,218	10,325	118
1920	14,035	14,166	35,083	6,537	5,534	969	7,530	244	154	19,440	4,535	69,824	25,983	573
1921	12,966	15,110	7,738	13,516	8,041	899	5,808	279	588	14,096	5,287	2,486	14,143	528
1922	13,329	10,427	40,569	10,269	5,738	790	4,799	218	224	13,199	5,599	21,042	19,121	611
1923	11,336	8,050	13,999	8,237	8,671	890	4,484	133	577	16,879	6,817	16,061	15,952	923
1924	11,924	9,687	33,561	8,399	8,260	1,687	8,244	156	344	16,402	6,137	1,753	18,594	465
1928	11,614	10,776	35,008	10,586	7,082	688	4,826	120	307	15,630	5,466	1,745	15,651	327
1929	11,938	8,548	2,537	7,952	9,264	607	3,487	170	111	17,700	4,728	5,911	22,661	297
1927	10,873	13,507	2,101	18,339	9,444	762	6,052	177	537	24,324	7,006	2,048	18,273	232
1928	11,614	10,776	35,008	10,586	7,082	688	5.876	1,102	572	25,034	7,431	2,878	21,079	193
1929	11,938	8,548	2,537	7,952	9,264	607	2,944	1,000	71	28,772	8,840	11,121	21,132	173
1930	11,821	3,794	23,635	7,592	7,901	552	4,538	503	78	32,219	9,737	1,010	17,081	100
1931	11,794	3,999	26,519	11,900	9,113	637	8,643	392	4,138	34,894	9,745	4,498	21,116	97
1932	10,589	3,581	10,354	21,093	8,862	598	7,126	207	143	42,315	11,640	3,418	17,835	57
1933	9,991	1,891	36,216	8,262	11,966	588	6,009	114	831	42,242	11,164	2,617	16,972	86
1934	9,990	1,593	5,015	8,820	12,177	378	8,764	102	73	46,276	10,953	899	14,489	51
1935	8,796	1,189	28,490	14,602	10,866	349	8,703	529	2,054	47,659	11,069	622	13,185	69
1936	8.987	1,124	36,548	11,417	8,324	334	4,461	538	34	68,969	14,445	1,396	15,786	37
1937	9,128	1,184	12,091	10,058	12,723	299	4,653	228	243	88,101	17,872	4,181	16,393	55
1938	8,748	700	34,604	8,419	11,112	312	12,232	112	43	37,077*	12,935	447	12,969	38
1939	8,277	543	3,653	6,121	9,103	198	5,821	71	184	32,874	12,810	1,546	16,875	62
1940	8,212	386	10,496	13,569	13,046	171	5,775	43	67	30,718	14,639	791	13,808	28
1941	8,459	362	79,646	7,206	9,773	183	7,811	118	404	27,194	12,297	2,677	10,707	49
1942	9,145	392	2,261	7,009	10,978	119	9,240	411	88	30,036	12,022	441	10,130	52

* Figures prior to 1938 were based on positive laboratory findings and included much duplication. Beginning with 1938 duplicates have, as far as possible, been omitted.

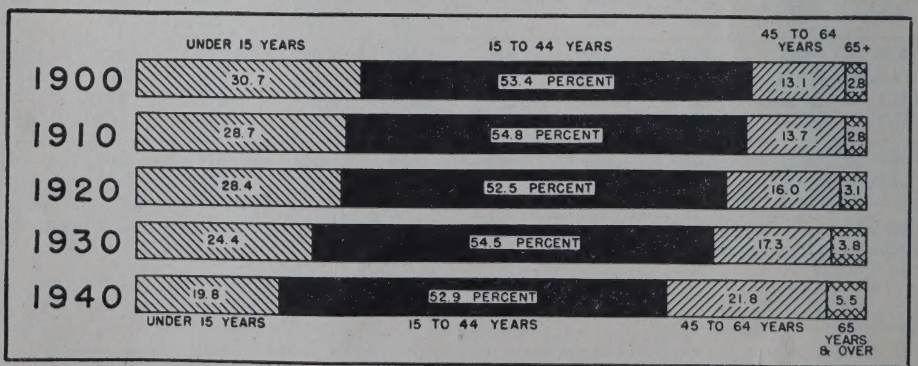
AGE SPECIFIC DEATH RATES, PER 1,000, NEW YORK CITY; 1900-1940, INCLUSIVE

Age	1901-'02-'03		1909-'10-'11		1919-'20*		1929-'30-'31		1939-'40	
	Males	Females	Males	Females	Males	Females	Males	Females	Males	Females
0-4	60.3	52.6	50.2	43.2	32.4	26.5	19.4	15.4	11.6	9.1
5-9	5.8	5.2	4.2	3.9	3.8	3.1	2.5	2.0	1.0	0.8
10-14	2.8	2.8	2.4	2.3	2.4	2.2	1.7	1.3	1.0	0.7
15-19	4.8	4.1	3.9	3.1	4.0	3.7	2.6	2.2	1.3	1.2
20-24	7.3	6.0	5.3	4.6	5.8	5.4	3.4	3.2	1.8	1.7
25-29	9.5	8.2	6.9	5.9	6.5	6.9	3.8	3.4	2.3	2.1
30-34	12.6	9.8	9.6	7.6	7.7	7.0	5.1	4.1	3.2	2.5
35-39	15.1	11.6	13.0	9.3	9.2	7.3	7.0	5.0	4.6	3.3
40-44	19.0	13.2	16.5	11.2	10.9	9.0	10.1	6.9	7.0	4.7
45-49	22.0	15.0	20.8	14.3	15.2	12.1	14.8	10.5	11.4	7.3
50-54	29.2	22.8	26.5	19.1	20.6	16.3	22.0	15.0	17.1	11.6
55-59	38.8	31.4	37.0	28.8	30.1	24.8	32.0	23.4	26.0	17.7
60-64	51.4	43.8	51.4	44.1	40.8	33.8	44.7	35.3	38.0	26.6
65-69	69.9	60.5	68.5	58.9	60.1	55.0	62.0	50.2	54.7	40.7
70-74	95.8	85.2	89.6	81.2	85.1	79.5	84.3	73.3	79.3	62.4
75-79	141.0	119.3	127.3	114.4	116.2	107.6	120.7	109.2	111.9	92.9
80-84	175.9	157.9	167.4	159.6	162.6	143.6	170.9	151.2	147.8	138.1
85 & Over	252.3	223.0	257.4	232.3	224.8	210.2	242.8	227.5	223.4	219.9

* As Census date is the midpoint of the period presented, only two years are used for 1919-'20 calculation, the Census having been made on Jan. 1, 1920.

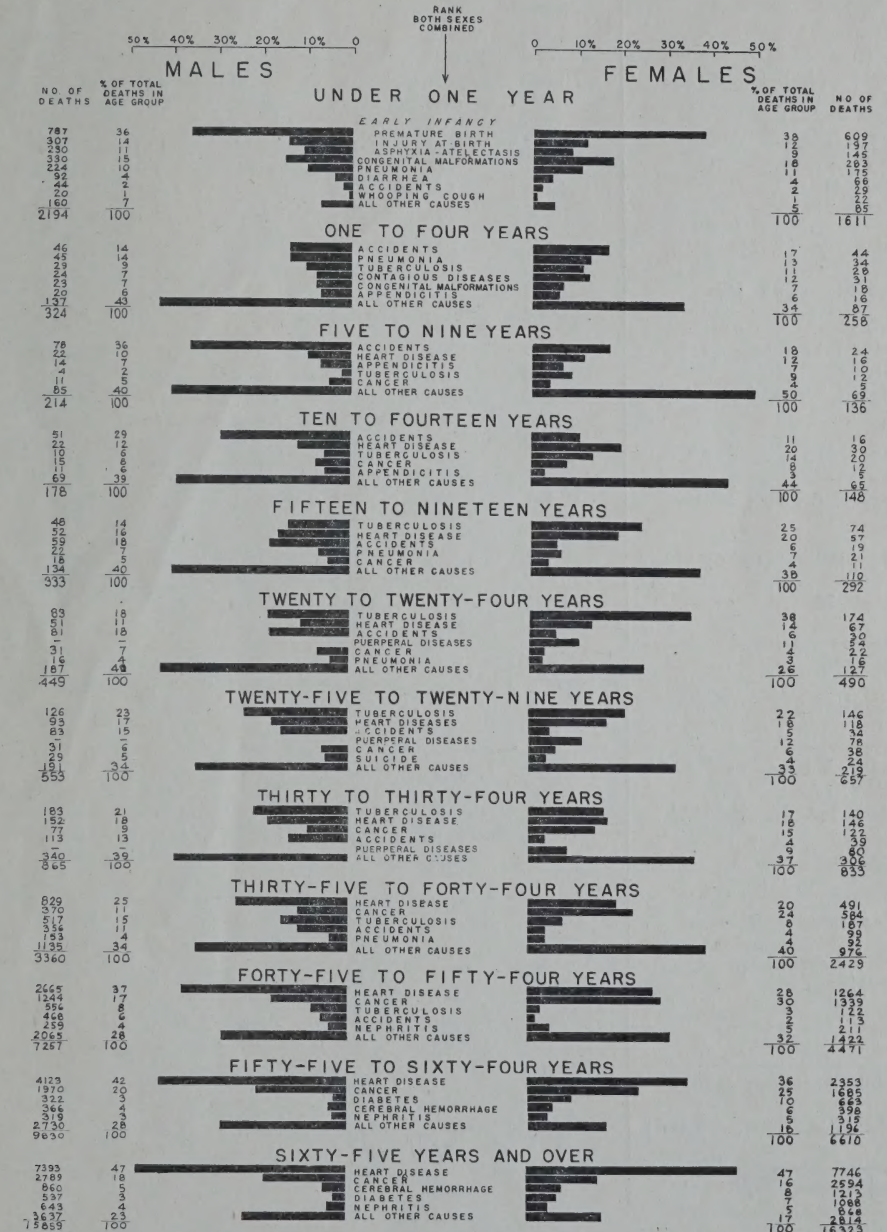

THE CONQUEST OF PESTILENCE IN NEW YORK CITY
As shown by the death rate recorded in the official records of the Department of Health
DEATHS PER 1000 POPULATION
DEATHS PER 1000 POPULATION
1805 YELLOW FEVER 270 DEATHS
1822 YELLOW FEVER 166 DEATHS
1824 SMALLPOX 394 DEATHS
1832 CHOLERA 3513 DEATHS
1834 CHOLERA 971 DEATHS
SMALLPOX 233 DEATHS
1849 CHOLERA 5071 DEATHS
1851 SMALLPOX 562 DEATHS
1854 CHOLERA 2509 DEATHS
1865 SMALLPOX 664 DEATHS
1866 CHOLERA 1137 DEATHS
1870 YELLOW FEVER 9 DEATHS
1872 SMALLPOX 1666 DEATHS
1875 SMALLPOX 1889 DEATHS
1881 SMALLPOX 503 DEATHS
1891 SMALLPOX 132 DEATHS
1892 CHOLERA 9 DEATHS
1893 SMALLPOX 302 DEATHS
1901 SMALLPOX 410 DEATHS
1902 SMALLPOX 310 DEATHS
1918 INFLUENZA 12,562 DEATHS
1842 Croton Aqueduct Opened
1853 Registration of Births and Deaths Begun
1866 Board of Health and Present Health Dept. Established
1907 Control of Typhoid Carriers
1911 Milk Stations for Babies Inaugurated
1910 Chlorination of Water
1912 Pasteurization of Milk
50
40
30
20
10
0
1800 1810 1820 1830 1840 1850 1860 1870 1880 1890 1900 1910 1920 1930 1940 1950
CENSUS POPULATION 96,373 123,706 202,589 312,710 519,983 830,012 1,391,194 1,806,794 2,353,848 3,437,202 4,766,883 5,620,048 6,930,446 7,454,995
OLD CITY OF NEW YORK
FORMER CITIES OF NEW YORK & BROOKLYN
GREATER CITY OF NEW YORK
BUREAU OF HEALTH EDUCATION, NEW YORK CITY DEPARTMENT OF HEALTH
H.M. COOPER

NEW YORK CITY'S AGING POPULATION



CHIEF CAUSES OF DEATH IN CERTAIN AGE GROUPS

BARS INDICATE THE PER CENT EACH CAUSE OF DEATH IS OF TOTAL DEATHS IN EACH SEX AND AGE GROUP (BASED ON 75,674 DEATHS REPORTED IN NEW YORK CITY DURING 1942.)


RANK BOTH SEXES COMBINED
50% 40% 30% 20% 10% 0
0 10% 20% 30% 40% 50%
MALES
FEMALES
NO. OF DEATHS
% OF TOTAL DEATHS IN AGE GROUP
% OF TOTAL DEATHS IN AGE GROUP
NO OF DEATHS
UNDER ONE YEAR
EARLY INFANCY
PREMATURE BIRTH 787 36 38 609
INJURY AT BIRTH 307 14 17 137
ASPHYXIA - ATELECTASIS 230 11 9 145
CONGENITAL MALFORMATIONS 330 15 18 203
PNEUMONIA 224 10 11 175
DIARRHEA 92 4 4 68
ACCIDENTS 44 2 2 29
WHOOPING COUGH 20 1 1 22
ALL OTHER CAUSES 160 7 5 85
2194 100 100 1611
ONE TO FOUR YEARS
ACCIDENTS 46 14 17 44
PNEUMONIA 45 14 13 34
TUBERCULOSIS 23 9 11 29
CONTAGIOUS DISEASES 24 7 12 31
CONGENITAL MALFORMATIONS 23 7 7 18
APPENDICITIS 20 6 6 16
ALL OTHER CAUSES 137 43 34 87
324 100 100 258
FIVE TO NINE YEARS
ACCIDENTS 78 36 18 24
HEART DISEASE 22 10 12 16
APPENDICITIS 14 7 7 10
TUBERCULOSIS 4 2 9 12
CANCER 11 5 4 5
ALL OTHER CAUSES 85 40 50 69
214 100 100 136
TEN TO FOURTEEN YEARS
ACCIDENTS 51 29 11 16
HEART DISEASE 22 12 20 30
TUBERCULOSIS 10 6 14 20
CANCER 15 8 8 12
APPENDICITIS 11 6 3 5
ALL OTHER CAUSES 69 39 44 65
178 100 100 148
FIFTEEN TO NINETEEN YEARS
TUBERCULOSIS 46 14 25 74
HEART DISEASE 52 16 20 57
ACCIDENTS 59 18 7 19
PNEUMONIA 22 7 7 21
CANCER 18 5 4 11
ALL OTHER CAUSES 134 40 38 110
333 100 100 292
TWENTY TO TWENTY-FOUR YEARS
TUBERCULOSIS 83 18 38 174
HEART DISEASE 51 11 14 67
ACCIDENTS 81 18 6 30
PUERPERAL DISEASES 11 5
CANCER 31 7 4 22
PNEUMONIA 16 4 3 16
ALL OTHER CAUSES 187 42 26 127
449 100 100 490
TWENTY-FIVE TO TWENTY-NINE YEARS
TUBERCULOSIS 126 23 22 146
HEART DISEASES 93 17 18 118
ACCIDENTS 83 15 12 76
PUERPERAL DISEASES 31 6 6 38
CANCER 25 5 4 24
SUICIDE 191 34 33 219
ALL OTHER CAUSES 553 100 100 657
THIRTY TO THIRTY-FOUR YEARS
TUBERCULOSIS 183 21 17 140
HEART DISEASE 152 18 18 146
CANCER 77 9 15 125
ACCIDENTS 113 13 4 39
PUERPERAL DISEASES 9 80
ALL OTHER CAUSES 340 39 37 306
865 100 100 833
THIRTY-FIVE TO FORTY-FOUR YEARS
HEART DISEASE 829 25 20 491
CANCER 370 11 24 584
TUBERCULOSIS 517 15 6 157
ACCIDENTS 356 11 4 99
PNEUMONIA 153 4 4 92
ALL OTHER CAUSES 1135 34 40 976
3360 100 100 2429
FORTY-FIVE TO FIFTY-FOUR YEARS
HEART DISEASE 2665 37 28 1264
CANCER 1244 17 30 1339
TUBERCULOSIS 556 8 3 122
ACCIDENTS 468 6 2 115
NEPHRITIS 259 4 5 211
ALL OTHER CAUSES 2065 28 32 1421
7267 100 100 4471
FIFTY-FIVE TO SIXTY-FOUR YEARS
HEART DISEASE 4123 42 36 2353
CANCER 1970 20 25 1665
DIABETES 322 3 10 663
CEREBRAL HEMORRHAGE 366 4 6 398
NEPHRITIS 319 3 5 319
ALL OTHER CAUSES 2730 28 18 1196
9830 100 100 6610
SIXTY-FIVE YEARS AND OVER
HEART DISEASE 7393 47 47 7746
CANCER 2769 18 16 2594
CEREBRAL HEMORRHAGE 860 5 8 1213
DIABETES 537 3 7 1088
NEPHRITIS 643 4 5 848
ALL OTHER CAUSES 3637 23 17 2814
15839 100 100 16323
41,416
ALL AGES — ALL CAUSES
34,258

YEAR	1913	1914	1915	1916	1917	1918	1919	192
Population	5,049,000	5,137,000	5,225,000	5,312,000	5,400,000	5,488,000	5,576,000	5,684,
Total Deaths	73,902	74,803	76,193	77,801	78,575	98,119	74,433	73,
Death Rate	1,464	1,456	1,458	1,464	1,455	1,788	1,335	1,
Total deaths under 5 years	20,711	19,530	20,291	19,967	18,256	21,019	15,744	17,
Rate on estim. pop. under 5 years	3,952	3,671	3,758	3,664	3,289	3,767	2,811	3,
Deaths under 1 year of age	13,780	13,312	13,866	12,818	12,568	12,657	10,639	11,
Per 1,000 births	98	95	98	93	89	92	82	
Measles (35)	628	560	630	490	560	790	218	
Rate (See Note)	119.8	105.3	116.7	89.9	100.9	141.6	38.9	1
Whooping Cough (9)	420	279	397	349	489	665	161	
Rate (See Note)	80.2	49.8	73.5	64.0	88.1	119.2	28.8	1
Scarlet Fever (8)	507	452	291	96	120	177	136	
Rate (See Note)	35.1	30.8	19.5	6.3	7.8	11.3	8.6	
Diphtheria (10)	1,333	1,491	1,278	1,031	1,158	1,245	1,239	1,
Rate (See Note)	92.2	101.6	85.7	68.1	75.3	79.8	78.2	
Typhoid Fevers (1, 2)	362	334	332	216	229	196	121	
Rate	7.2	6.5	6.4	4.1	4.2	3.6	2.2	
Epidemic Meningitis (6)	202	207	119	176	187	262	171	
Rate	4.0	4.0	2.3	3.3	3.5	4.8	3.1	
Pulmonary Tuberculosis (13)	8,601	8,918	8,825	8,411	8,825	8,779	7,395	6,
Rate	170.4	173.6	168.9	158.3	163.4	160.0	132.6	1
Other forms Tuberculosis (14-22)	1,430	1,372	1,424	1,237	1,317	1,318	1,103	
Rate	28.3	26.7	27.3	23.3	24.4	24.0	19.8	
Influenza (33)	350	336	526	853	657	12,562	4,834	3,
Rate	6.9	6.5	10.1	16.1	12.2	228.9	86.7	
Pneumonia (107, 108, 109)	10,042	9,678	10,922	10,568	11,051	20,628	10,977	10,
Rate	198.9	188.4	209.1	198.9	204.6	375.9	196.9	17
Other Respiratory (104-6; 110-14)	1,350	1,246	1,424	1,440	1,420	1,543	1,187	1,
Rate	26.7	24.3	27.3	27.1	26.3	28.1	21.3	2
Cancer (45-55)	4,223	4,467	4,647	4,701	4,867	4,931	5,147	5,
Rate	83.6	87.0	88.9	88.5	90.1	89.8	92.3	9
Diabetes (61)	884	979	1,109	1,119	1,153	1,011	955	1,
Rate	17.5	19.1	21.2	21.1	21.4	18.4	17.1	
Appendicitis (121)	618	710	723	697	668	584	690	
Rate	12.2	13.8	13.8	13.1	12.4	10.6	12.4	
Bright's Dis. & Nephritis (130-2)	5,615	5,617	5,521	6,546	6,727	5,269	5,007	4,
Rate	111.2	109.4	105.7	123.2	124.6	96.0	89.8	8
Circulatory Sys. Dis. (90-103)	12,813	13,469	13,596	14,210	14,818	15,660	14,077	15,
Rate	253.8	262.2	260.2	267.5	274.4	285.3	252.5	26
Apoplexy (83a)	889	1,075	946	804	794	1,042	811	
Rate	17.6	20.9	18.1	15.1	14.7	19.0	14.5	
Total Degenerative Diseases*	19,317	20,161	20,063	21,560	22,339	21,971	19,895	20,
Rate	382.6	392.5	384.0	405.8	413.7	400.3	356.8	36
Suicides (163, 164)	845	935	958	836	778	724	703	
Rate	16.7	18.2	18.3	15.7	14.4	13.2	12.6	
Homicides (165-168)	326	299	261	256	248	247	279	
Rate	6.5	5.8	5.0	4.8	4.6	4.5	5.0	
Automobile Accidents (170)	293	310	346	407	**674	677	767	
Rate	5.8	6.0	6.6	7.7	12.5	12.3	13.8	
Other Accidents (169, 171-195)	3,467	3,441	3,212	3,561	4,042	3,613	3,059	2,
Rate	68.7	67.0	61.5	67.0	74.8	65.8	54.9	5
Puerperal diseases (140-150)	668	679	710	653	651	664	644	
Rate per 10,000 Total Births	46	46	48	45	44	46	47	

** In 1917 Horse Drawn Vehicles Included. * Includes Bright's Disease and Nephritis, Diseases of Circula

Note:—Rates for Measles and Whooping Cough per 100,000 under five years; rates for Scarlet Fever and Dipht

ıd Death Rates per 100,000 Population, City of New York, 1913 to 1942 inclusive

	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932
)0	5,812,000	5,939,000	6,067,000	6,195,000	6,323,000	6,451,000	6,579,000	6,707,000	6,835,000	6,944,000	6,995,000	7,047,000
49	64,257	69,690	69,452	71,252	71,864	76,082	70,430	78,091	77,482	74,888	77,418	74,319
39	1,106	1,173	1,145	1,150	1,137	1,179	1,071	1,164	1,134	1,078	1,106	1,054
38	13,672	14,847	11,839	12,891	11,442	12,599	9,971	11,760	9,836	9,224	8,968	7,409
32	2,441	2,685	2,153	2,335	2,073	2,308	1,820	2,158	1,818	1,721	1,689	1,436
40	9,548	9,666	8,578	8,820	8,315	8,509	7,210	8,280	7,281	7,030	6,427	5,594
35	71	75	66	68	65	68	56	66	59	57	56	51
16	165	977	245	506	130	706	37	346	30	154	134	58
.2	29.5	176.7	44.5	91.7	23.6	129.3	6.8	63.5	5.5	28.7	25.2	11.2
15	350	268	202	382	307	221	279	347	157	125	214	145
.6	62.5	48.5	36.7	69.2	55.6	40.5	50.9	63.7	29.0	23.3	40.3	28.1
20	385	216	107	80	75	77	102	69	68	57	84	134
.7	23.7	13.2	6.5	4.8	4.5	4.6	6.1	4.1	4.0	3.4	5.0	7.9
15	891	873	553	714	663	477	717	642	463	198	186	210
.9	54.9	53.4	33.6	43.1	39.8	28.5	42.7	38.1	27.4	11.7	11.0	12.4
17	123	129	140	184	199	111	78	87	76	62	77	64
.4	2.1	2.2	2.3	3.0	3.1	1.7	1.2	1.3	1.1	0.9	1.1	0.9
23	147	110	77	104	94	114	120	540	486	267	207	114
.2	2.5	1.9	1.3	1.7	1.5	1.8	1.8	8.1	7.1	3.8	3.0	1.6
55	5,143	5,033	4,951	4,780	4,776	4,828	4,444	4,636	4,507	4,457	4,370	3,997
.5	88.5	84.7	81.6	77.2	75.5	74.8	67.6	69.1	65.9	64.2	62.5	56.7
70	779	769	722	801	699	680	696	690	653	632	552	543
.1	13.4	12.9	11.9	12.9	11.1	10.5	10.6	10.3	9.6	9.1	7.9	7.7
72	384	869	1,158	549	665	1,157	630	899	1,202	483	956	785
4	6.6	14.6	19.1	8.9	10.5	17.9	9.6	13.4	17.6	7.0	13.7	11.1
38	6,477	8,794	8,231	9,152	8,397	10,521	7,523	10,019	9,456	8,058	9,245	7,827
10	111.5	148.1	135.7	147.7	132.8	163.1	114.4	149.4	138.4	116.0	132.2	111.1
13	967	920	521	498	541	673	545	662	670	560	652	599
4	16.6	15.5	8.6	8.0	8.6	10.4	8.3	9.9	9.8	8.1	9.3	8.5
77	5,573	5,945	6,287	6,557	6,784	7,033	7,455	7,725	7,848	8,125	8,336	8,573
5	95.9	100.1	103.6	105.8	107.3	109.0	113.3	115.2	114.8	117.0	119.2	121.7
55	1,120	1,448	1,360	1,177	1,313	1,485	1,461	1,663	1,726	1,784	1,921	2,116
9	19.3	24.4	22.4	19.0	20.8	23.0	22.2	24.8	25.3	25.7	27.5	30.0
12	824	883	887	946	1,022	1,022	1,018	1,043	1,071	1,111	1,157	1,065
9	14.2	14.9	14.6	15.3	16.2	15.8	15.5	15.6	15.7	16.0	16.5	15.1
13	4,105	4,450	4,367	3,705	3,912	4,360	3,182	3,433	3,177	2,905	2,806	2,972
10	70.6	74.9	72.0	59.8	61.9	67.6	48.4	51.2	46.5	41.8	40.1	42.2
35	15,696	17,350	18,453	19,616	19,453	20,463	20,178	22,152	23,283	22,999	23,487	23,524
13	270.1	292.1	304.1	316.6	307.7	317.2	306.7	330.3	340.7	331.2	335.8	333.8
18	886	501	597	763	847	978	818	667	566	588	682	544
16	15.2	8.4	9.8	12.3	13.4	15.2	12.4	9.9	8.3	8.5	9.7	7.7
16	20,687	22,301	23,417	24,084	24,212	25,801	24,178	26,252	27,026	26,492	26,975	27,040
10	356.0	375.5	386.0	388.7	382.9	400.0	367.5	391.4	395.4	381.5	385.6	383.7
10	831	789	825	829	935	904	1,073	1,182	1,255	1,403	1,500	1,595
18	14.3	13.3	13.6	13.4	14.8	14.0	16.3	17.6	18.4	20.2	21.4	22.6
15	303	337	308	387	337	340	366	402	425	494	586	580
7	5.2	5.7	5.1	6.2	5.3	5.3	5.6	6.0	6.2	7.1	8.4	8.2
13	849	870	945	961	1,022	1,069	1,095	1,075	1,344	1,290	1,298	1,179
14	14.6	14.6	15.6	15.5	16.2	16.0	16.6	16.0	19.7	18.6	18.6	16.7
16	2,634	2,801	3,249	3,239	3,765	3,674	3,509	3,589	3,518	3,578	3,336	3,091
12	45.3	47.2	53.6	52.3	59.5	57.0	53.3	53.5	51.5	51.5	47.7	43.9
13	746	699	623	678	697	595	694	668	629	667	698	663
1	53	51	46	50	52	45	51	50	48	52	58	58

y System, and Apoplexy. Numbers following disease names are numbers of International List, 1938 Revision.
ia are per 100,000 under fifteen years.

3 0112 115703693

1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	
101,000	7,153,000	7,206,000	7,258,000	7,311,000	7,363,000	7,415,000	7,468,000	7,521,000	7,573.000	Population
75,153	75,857	75,057	77,638	77,465	73,775	75,439	76,008	74,553	75,674	Deaths
1,058	1,060	1,042	1,069	1,059	1,002	1,017	1,018	991	999	Rate
7,422	6,726	6,282	5,689	5,618	4,891	4,584	4,402	4,162	4,387	Deaths—5
1,490	1,404	1,363	1,269	1,216	1,087	1,045	991	925	934	Rate
5,508	5,287	4,790	4,490	4,457	3,910	3,793	3,746	3,519	3,805	Infant Deaths
53	52	48	45.6	43.7	38.3	37.1	34.9	30.8	28.8	Rate
213	25	105	83	28	42	1	3	25	1	Measles
42.8	5.2	22.8	18.5	6.1	9.3	0.2	0.7	5.6	0.2	Rate (See Note)
128	106	148	48	49	105	38	49	45	58	Whooping Cough
25.7	22.1	32.1	10.7	10.6	23.3	8.7	11.0	10.0	12.4	Rate (See Note)
59	53	76	64	31	17	16	14	7	8	Scarlet Fever
3.5	3.1	4.5	3.8	1.9	1.1	1.0	0.9	0.5	0.6	Rate (See Note)
86	103	68	35	58	26	22	10	10	7	Diphtheria
5.1	6.1	4.0	2.1	3.6	1.6	1.4	0.7	0.7	0.5	Rate (See Note)
70	44	34	33	26	26	22	12	14	5	Typhoid Fever
1.0	0.6	0.5	0.5	0.4	0.4	0.3	0.2	0.2	0.1	Rate
73	73	243	226	101	53	36	17	42	84	Epidemic Menin.
1.0	1.0	3.4	3.1	1.4	0.7	0.5	0.2	0.6	1.1	Rate
4,056	3,950	3,968	4,170	3,931	3,481	3,494	3,323	3,372	3,228	Pul. Tbc.
57.1	55.2	55.1 (63.2)	57.5 (58.3)	53.8 (52.1)	47.3 (51.4)	47.1 (48.6)	44.5 (49.4)	44.8 (46.2)	42.6	Rate
521	470	403	415	333	352	320	304	343	274	Other Tbc.
7.3	6.6	5.6	5.7	4.6	4.8	4.3	4.1	4.6	3.6	Rate
718	373	295	293	468	162	200	128	119	68	Influenza
10.1	5.2	4.1	4.0	6.4	2.2	2.7	1.7	1.6	0.9	Rate
7,686	6,755	6,385	6,549	6,504	4,737	4,234	3,410	3,383	2,957	Pneumonias
108.2	94.4	88.6	90.2	89.0	64.3	57.1	45.7	45.0	39.0	Rate
480	656	585	590	571	498	523	498	499	457	Other Respiratory
6.8	9.2	8.1	8.1	7.8	6.8	7.1	6.7	6.6	6.0	Rate
8,932	9,502	9,969	10,506	10,714	11,160	11,597	12,310	12,069	12,993	Cancer
125.8	132.8	138.3	144.8	146.5	151.6	156.4	164.8	160.5	171.6	Rate
2,141	2,266	2,255	2,571	2,669	2,650	2,938	3,106	3,064	3,088	Diabetes
30.2	31.7	31.3	35.4	36.5	36.0	39.6	41.6	40.7	40.8	Rate
1,149	1,006	920	1,049	935	825	800	677	564	439	Appendicitis
16.2	14.1	12.8	14.5	12.8	11.2	10.8	9.1	7.5	5.8	Rate
3,638	4,484	4,141	4,041	3,847	3,589	3,353	3,545	3,242	3,042	Bright's & Nephritis
51.2	62.7	57.5	55.7	52.6	48.7	45.2	47.5	43.1	40.2	Rate
23,541	25,696	22,282	24,093	24,756	25,227	26,672	27,809	28,052	29,091	Circulatory Sys.
331.5	359.2	309.2	332.0	338.6	342.6	359.7	372.4	373.0	384.1	Rate
749	602	3,233	3,130	3,025	2,746	2,800	2,700	2,675	2,726	Apoplexy
10.5	8.4	44.9	43.1	41.4	37.3	37.8	36.2	35.6	36.0	Rate
27,928	30,782	29,656	31,264	31,628	31,562	32,825	34,054	33,969	34,859	Total Degenerative
393.3	430.3	411.5	430.8	432.6	428.7	442.7	456.0	451.7	460.3	Rate
1,343	1,239	1,170	1,116	1,140	1,246	1,190	1,263	1,039	1,013	Suicides
18.9	17.3	16.2	15.4	15.6	16.9	16.0	16.9	13.8	13.4	Rate
541	458	447	380	373	309	303	290	286	267	Homicides
7.6	6.4	6.2	5.2	5.1	4.2	4.1	3.9	3.8	3.5	Rate
1,137	1,145	1,078	932	983	908	880	896	858	823	Automobile Accid.
16.0	16.0	15.0	12.8	13.4	12.3	11.9	12.0	11.4	10.9	Rate
3,101	3,316	3,179	3.296	3,203	2,924	3,123	2,989	2,881	2,955	Other Accidents
43.7	46.4	44.1	45.4	43.8	39.7	42.1	40.0	38.3	39.0	Rate
665	492	523	459	408	357	320	315	250	306	Puerperal diseases
61	46	50	44	38	33	29	27	20	22	Rate